

METHOD OF ASSAYING DOWNHOLE OCCURRENCES AND CONDITIONS

ABSTRACT OF THE DISCLOSURE

A method for determining bit wear in a drill bit of a drilling rig system is disclosed. The method provides a first drill bit design. The first drill bit design
5 having a first geometry. The method also generates a geological model of given formation. The geological model including a geological characteristic based on a length of formation drilled in a given amount of time. The method predicts the first wear rate of the first
10 drill bit design based on the first geometry compared to the geological model for the length of formation drilled.